

Work Order ID 142011

Tuesday, February 23, 2016 1:36:47 PM

142011

Page 1

Item ID: DSI 9738-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Aft Fairing Modification

Start Date: 2/23/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 3/11/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: *ML5*

Date: FEB 23 2016

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

DSI 9738

A

DAS
6
9-89

ML5 16-04-05

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP DSI9738-011 CHG001

2
DAS
27
9-89
APR 08 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

2
DAS
28
9-89
APR 04 2016

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

2
DAS
27
9-89
APR 08 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	OTHER : _____							
Misidentified	☐	Past Due								

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Cust Item ID:

Required Date: 3/11/2016 Req'd Qty: 2.00

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Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPP DSI9738-011

Location:

Fg122

2

DAS
28
9-89

APR 11 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

MCS APR 11 2016

MCS APR 11 2016

DQA: _____ Date: _____



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		OTHER : ☐							

Picklist Print

Tuesday, February 23, 2016 1:36:52 PM

Page 1

Work Order ID: 142011

142011

Parent Item: DSI 9738-011

DSI 9738-011

Parent Item Name: Aft Fairing Modification

Start Date: 2/23/2016

Required Date: 3/11/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 16.02.22 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5391-1 *D5391-1*		Manufactured	No	ST614			Each	0.0000	12	4			DAS 6 9-89
Strap D5392-27 *D5392-1*		Manufactured	No	ST164			Each	0.0000	3	4	143527		DAS 28 9-89
Doubler 22208BC0400101 *22208BC0400101*		Purchased	No	ST578			Each	0.0000	4	8	143526		DAS 28 9-89
Bolt, Hex Head 23111AG0401 F *23111AG0401 F*		Purchased	No	ST568	578		Each	96.0000	4	8	134350		DAS 28 9-89
Washer													DAS 6 9-89
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST568			96						
				109871			96						
350A21-1218-20 *350A21-1218-20*		Purchased	No	ST582			Each	0.0000	20	40			DAS 28 9-89
Washer A0164TK050S012X *A0164TK050S012X*		Purchased	No				Each	0.0000	20	40			DAS 28 9-89
Screw CR3522-4-2 *CR3522-4-2*		Purchased	No				Each	110.0000	30	60	134350		DAS 28 9-89
Rivet													DAS 6 9-89
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				Mezz			110						DAS 28 9-89
				115768			110						

APR 01 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:12.5%;">Skid-tube ☐</td> <td style="width:12.5%;">Cross tube ☐</td> <td style="width:12.5%;">Water Jet ☐</td> <td style="width:12.5%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Work Order ID: 142011

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Parent Item Name: Aft Fairing Modification

142011

DSI 9738-011

Start Date: 2/23/2016

Required Date: 3/11/2016

Start Qty: 2.00

Required Qty: 2.00

LN29677M4 Purchased

No

Each

0.0000

4 8

134458

DAS 6 9-89

DAS 28 9-89

I N29677M4

Anchor Nut

LN29679AM5 Purchased

No

Each

0.0000

20 40

134350

DAS 6 9-89

DAS 28 9-89

I N29679AM5

Anchor Nut

MS20426AD3-3 Purchased

No

Each

4.169.000

27 48

DAS 6 9-89

DAS 28 9-89

MS20426AD3-3

RIVET

Location

Loc Qty

Loc Code

GA

1618

M131624

1618

ST312

2551

M131624

2551

MS20426A4-3 Purchased

No

Each

0.0000

48 20

134370

DAS 6 9-89

DAS 28 9-89

MS20426A4-3

Rivet

MS20470AD4-4 Purchased

No

Each

3,906.000

6 12

DAS 6 9-89

DAS 28 9-89

MS20470AD4-4

Rivet, Universal Head

Location

Loc Qty

Loc Code

CCK004

2069

M134294

2069

GA

1357

M133922

1357

ST310

480

M132803

480

NAS1097AD33 Purchased

No

Each

0.0000

24 48

134405

DAS 6 9-89

DAS 28 9-89

NAS1097AD33

RIVET

Tuesday, February 23, 2016 1:36:52 PM

Shop Packet Print

APR 04 2016

Page 2

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OTHER : ☐																									

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D130-701 REV. F AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D130-701 REV. 4 OR LATER APPROVED REVISION

REF. TCCA STC: SH94-14
REF. FAA STC: SR00213NY
REF. EASA STC: 10016996
REF. ANAC STC: 2007S03-03

UNCONTROLLED COPY
ENGINEERING
RETURN TO
SHOP COPY
WITHOUT NOTICE
WORK ORDER
NO. 142011 M.C.S
16-02-23

1.0 INTRODUCTION

It has come to DART's attention that when the D130-701-043 Heli-Utility Basket and/or the D130-701-013 Fixed Provisions kit is installed, it is necessary to remove the aft fairings in order to remove the belly cowl. The purpose of this DSI is to allow for the optional modification of the aft fairings so that they do not need to be removed to lower the belly cowl.

2.0 PROCEDURE

2.1 INITIAL INSTALLATION:

- 2.1.1. Remove the aft crosstube fairings per the Aircraft Maintenance Manual.
- 2.1.2. Remove qty(5) A0164TK050S012X bolts and qty(5) 350A21-1218-20 washers from the cap on the LH Fairing and qty (2) A0164TK050S012X bolts and qty(2) 350A21-1218-20 washers on the inside of the Fairing per Figure 1 and Figure 2 and retain hardware. Remove rivets from the top-most rib per Figure 1 and Figure 2.
- 2.1.3. Mark dimensions per Figure 1 and Figure 2. Mark the hole pattern per Figure 3 and Figure 4.
- 2.1.4. Pitch one $\varnothing 0.196$ hole in line with the existing screw holes while maintaining edge distance and with the marked dimension per Figure 2. This will help ensure consistent alignment.
- 2.1.5. Cut along marked line and break any sharp edges. Place a barrier between the Fairing Cover and any existing structure including the rib and the attached composite panel per Figure 5.
- 2.1.6. Hand form the D5391-1 Strap to fit the curvature of the fairing and clamp in place per Figure 6.
- 2.1.7. Enlarge the remaining previously marked bolt holes to $\varnothing 0.129$ through both the fairing and the D5391-1 Strap and cleco.
- 2.1.8. Locate the fairing cutout over the rib and clamp into place per Figure 7. Reinstall the two previously removed bolts on the inboard side to ensure proper alignment per Figure 7.
- 2.1.9. Enlarge previously marked rivet holes through the fairing cutout and the D5391-1 Strap to a diameter of $\varnothing 0.129$ and cleco together per Figure 7.
- 2.1.10. Remove the clamps from the bottom and third holes on the rib line per Figure 7. Enlarge these holes to $\varnothing 0.196$.
- 2.1.11. Remove the fairing cutout and all applicable hardware.
- 2.1.12. Mark the rib as shown in Figure 8. Clamp the D5392-1 Doubler as shown and transfer drill 3X $\varnothing 0.125$ and 2X $\varnothing 0.157$ holes. Cut rib along line shown and break sharp edges.
- 2.1.13. Transfer drill the hole pattern for qty(2) LN29677M4 Anchor nuts on the rib as shown in Figure 9 ensuring 0.19" edge distance. Install qty(2) LN29677M4 anchor nuts using qty(4) NAS1097AD3-3 rivets on the reverse side of the rib.
- 2.1.14. Enlarge all new screw holes on the fairing and cutout piece to $\varnothing 0.205$.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.01.12
CERT. NO.: SH94-14
ISSUE NO.: 7

A	NEW ISSUE	VS	16.01.12
REV.	DESCRIPTION	BY	DATE
DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 1 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.		AFT CROSSTUBE FAIRING MODS	
DATE	16.01.12	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

- 2.1.15. Remove the D5391-1 Strap and the D5392-1 Doubler. Prime and paint per Aircraft Maintenance Manual.
- 2.1.16. Install the D5391-1 Strap to the cutout piece with qty(15) CR3522-4-02 Rivets per Figure 10. Plug the rib holes in the cutout piece as indicated in Figure 10 with qty(5) MS20426A4-3 Rivets.
- 2.1.17. Install qty(5) LN29679AM5 anchor nuts using qty(10) MS20426AD3-3 rivets on the D5391-1 Strap per Figure 11.
- 2.1.18. Install qty(4) LN29679AM5 anchor nuts using qty(8) NAS1097AD3-3 Rivets to the rib cutout per Figure 12. Install qty(3) MS20470AD4-4 Rivets to attach the D5392-1 Doubler to the rib cutout per Figure 12.
- 2.1.19. Install qty(1) LN29679AM5 anchor nut using qty(2) MS20426AD3-3 rivets on the composite panel per Figure 13.
- 2.1.20. Install the rib cutout to the rib with qty(2) 22208BC040010L bolts and qty(2) 23111AG040LE washers per Figure 14.
- 2.1.21. Install the fairing cutout and the cap to the fairing with qty(16) A0164TK050S012X bolts (qty(7) from previously retained) and qty(16) 350A21-1218-20 washers (qty(7) from previously retained) per Figure 15.
- 2.1.22. Reinstall the fairings on the aircraft per the Aircraft Maintenance Manual.

2.2 BELLY COWL REMOVAL:

- 2.2.1. Remove the cap, fairing cutout, qty (17) A0164TK050S012X bolts and qty(17) 350A21-1218-20 washers per Figure 15.
- 2.2.2. Remove the rib cutout, qty(2) 22208BC040010L bolts and qty(2) 23111AG040LE washers per Figure 14.
- 2.2.3. Lower the Belly cowl per the Aircraft Maintenance Manual.

2.3 BELLY COWL RE-INSTALLATION:

- 2.3.1. Re-install the belly cowl per the Aircraft Maintenance Manual.
- 2.3.2. Re-install the rib cutout, qty(2) 22208BC040010L bolts and qty(2) 23111AG040LE washers per Figure 14.
- 2.3.3. Re-install the cap, fairing cutout, qty (17) A0164TK050S012X bolts and qty(17) 350A21-1218-20 washers per Figure 15.

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 2 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.		AFT CROSSTUBE FAIRING MOD	ITS
DATE	16.01.12	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

REMOVE
1X A0164TK050S012X BOLT
1X 350A21-1218-20 WASHER

8.0

REMOVE RIVETS
4 PL

CUT LINE

R1.3

16.2

FIGURE 1: CUT DIMENSIONS, OUTBOARD SIDE
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO. DSI 9738	REV. A
MFG. APPR.	CG		SHEET 3 OF 16
APPROVED	HS	TITLE AFT CROSSTUBE FAIRING MOD	SCALE
DE APPR.			NTS
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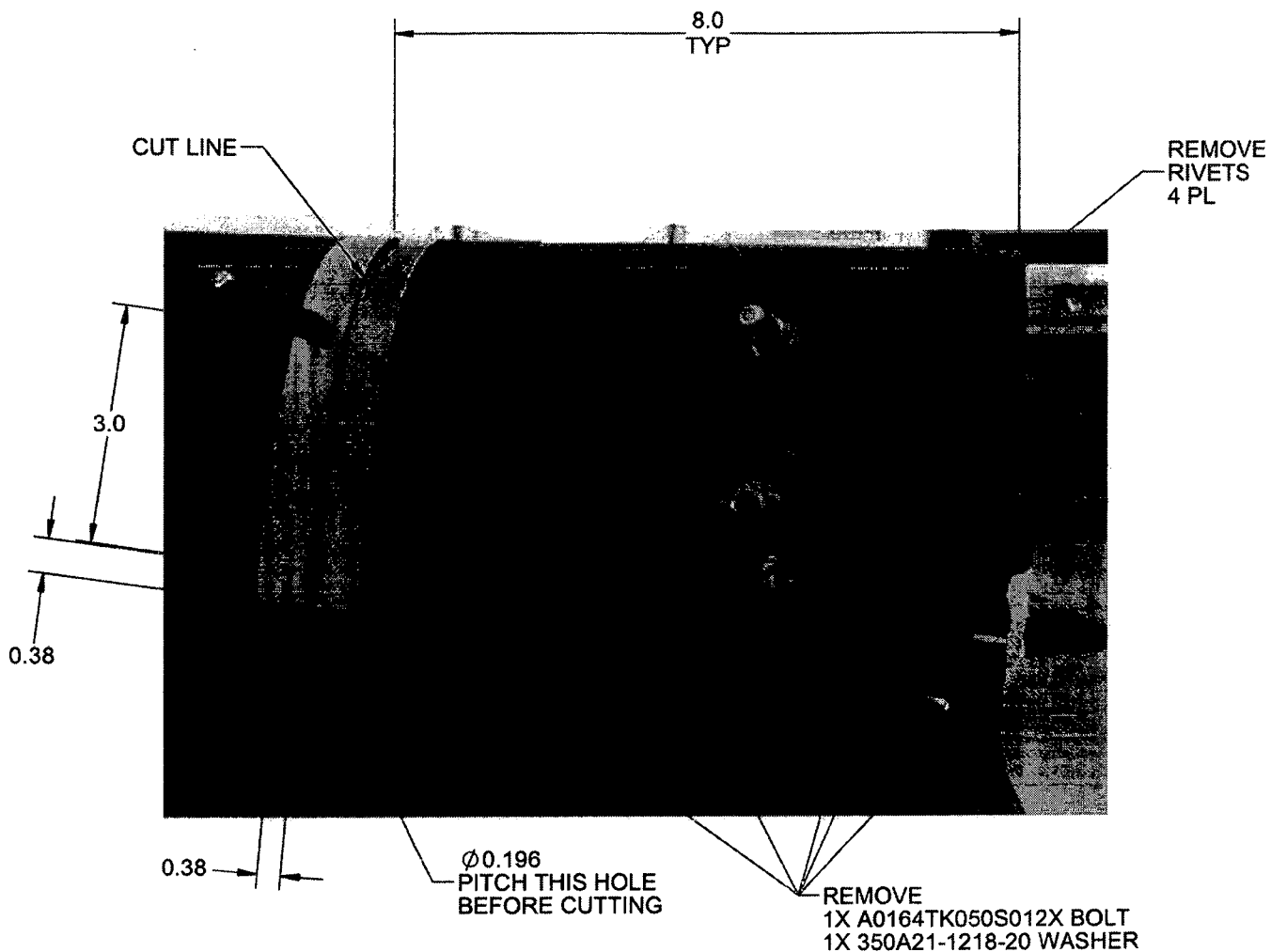


FIGURE 2: CUT DIMENSIONS, INBOARD SIDE
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 4 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	AFT CROSSTUBE FAIRING MODS	
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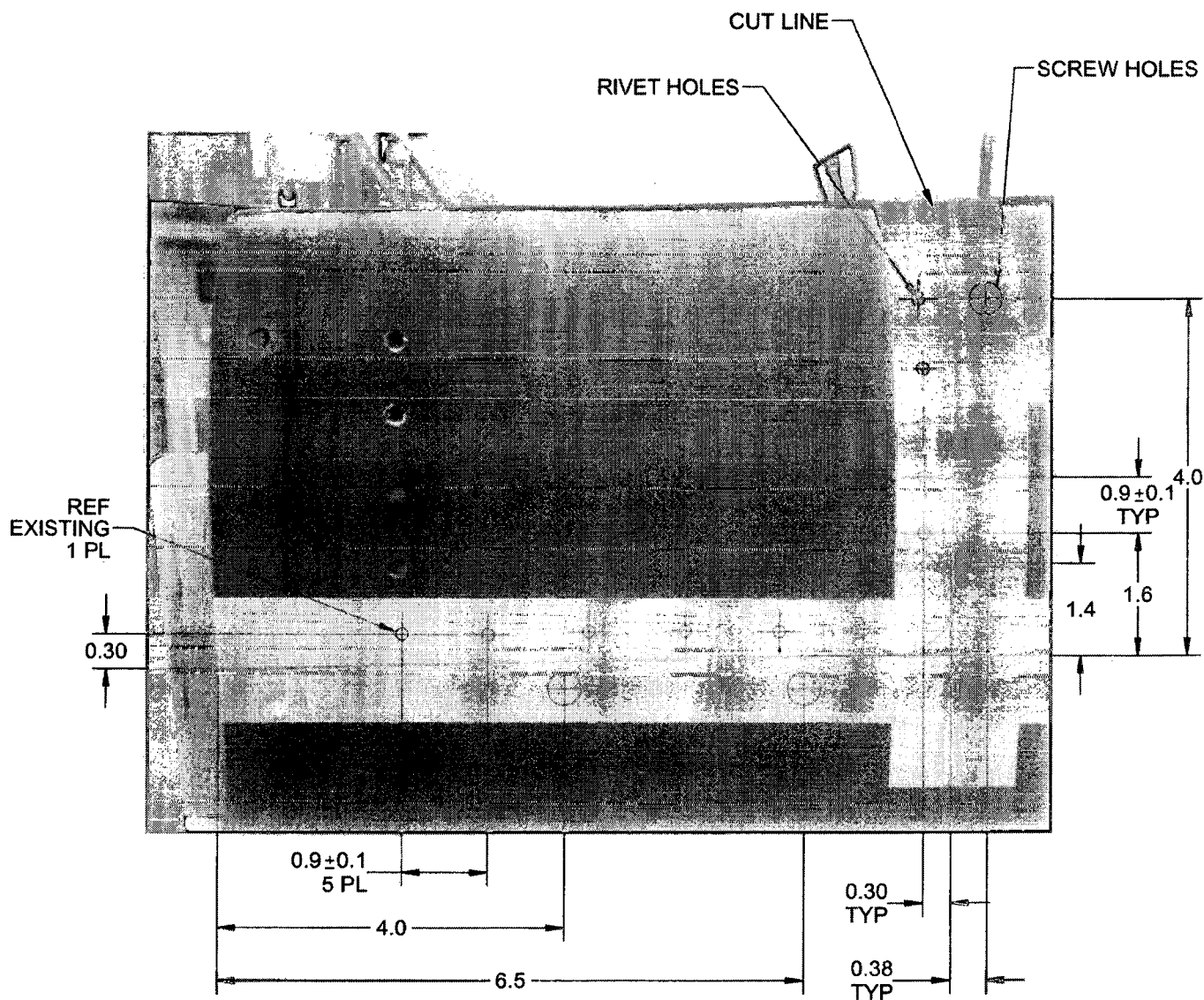


FIGURE 3: HOLE PATTERN, OUTBOARD
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 5 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AFT CROSSTUBE FAIRING MOD	ITS
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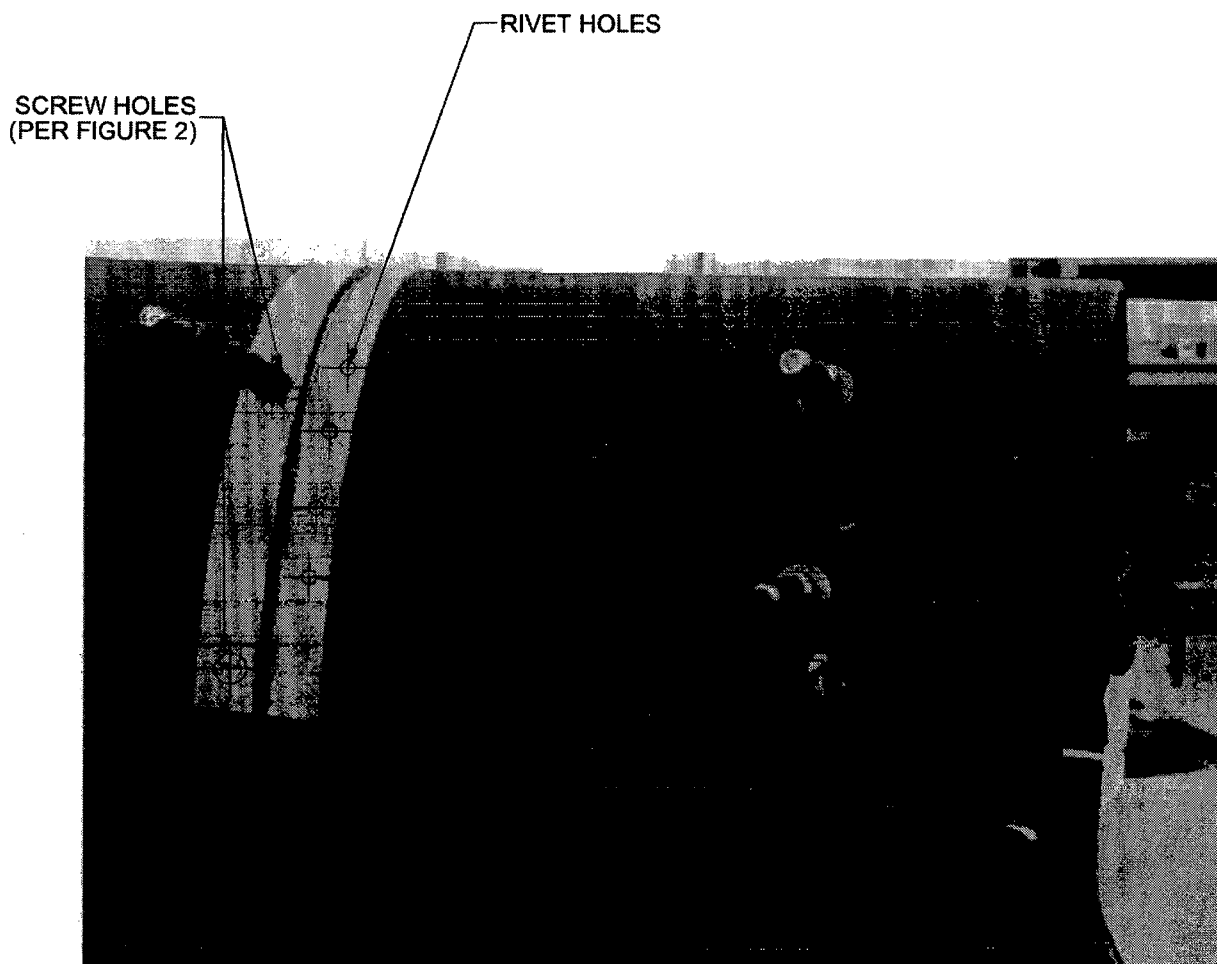
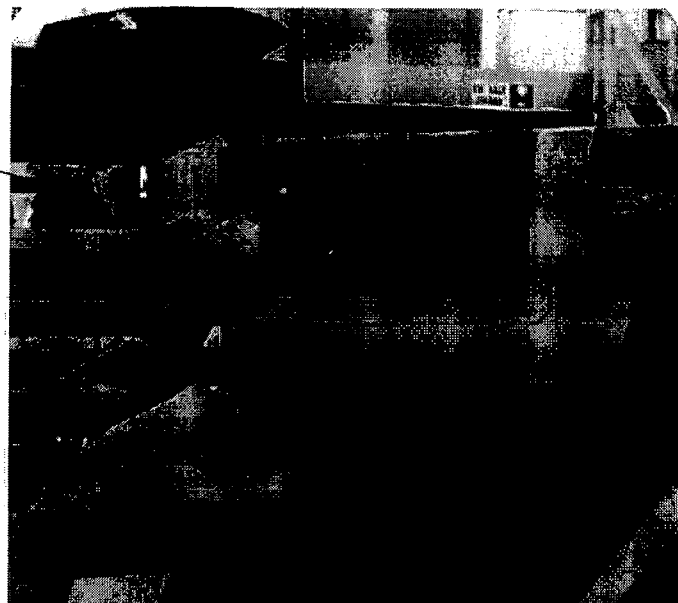


FIGURE 4: HOLE PATTERN, INBOARD
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 6 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.		AFT CROSSTUBE FAIRING MODITS	
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BLOCK TO
AVOID CUTTING
RIB



CUT ALONG
MARKED LINE

OUTBOARD



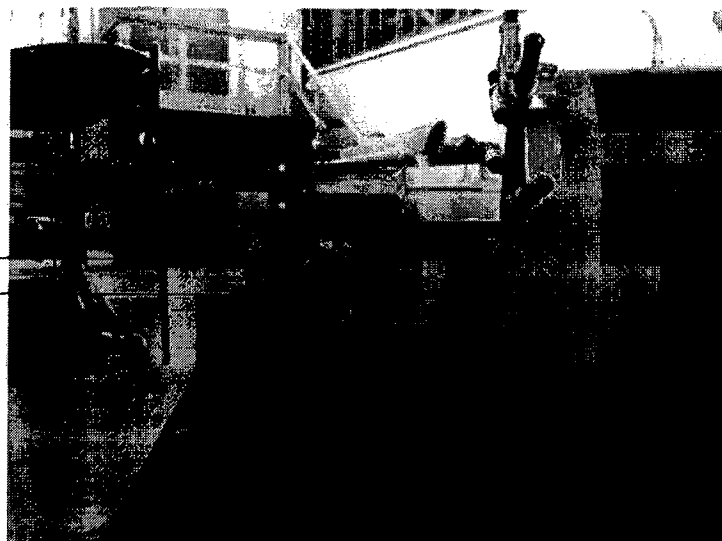
PLACE A BLOCK
TO AVOID
CUTTING
COMPOSITE
PANEL

INBOARD

FIGURE 5: FAIRING CUT
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO. DSI 9738	REV. A
MFG. APPR.	CG		SHEET 7 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	AFT CROSSTUBE FAIRING MOD	ITS
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0.38
TYP



OUTBOARD

D5391-1 STRAP



TRIM TO
ENSURE NO OVERLAP

INBOARD

FIGURE 6: D5391-1 PLACEMENT
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 8 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	AFT CROSSTUBE FAIRING MODTS	
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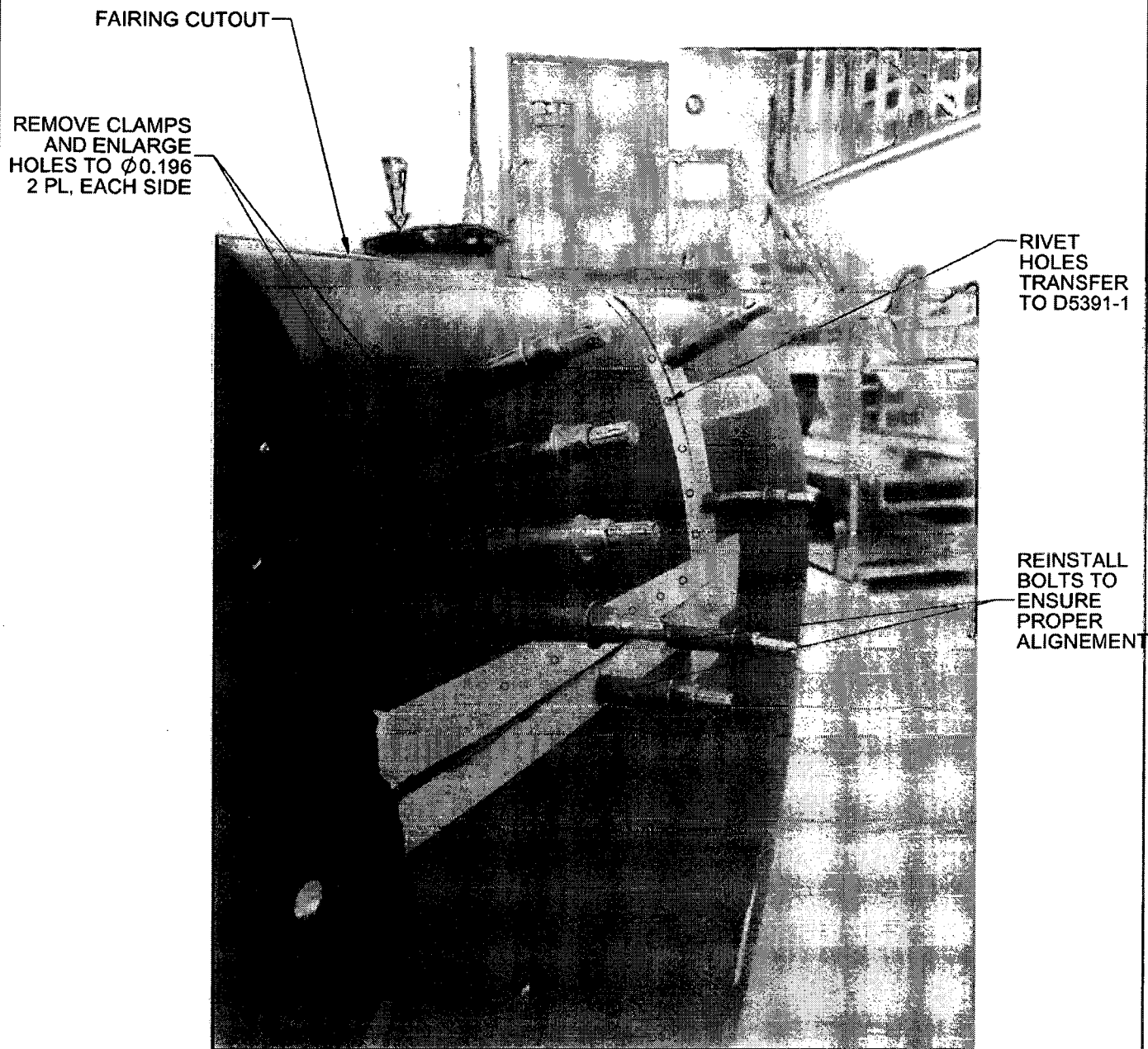


FIGURE 7: CUTOUT ALIGNMENT
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 9 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AFT CROSSTUBE FAIRING MODITS	
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FIGURE 8: RIB CUT
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 10 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.		AFT CROSSTUBE FAIRING MOD	ITS
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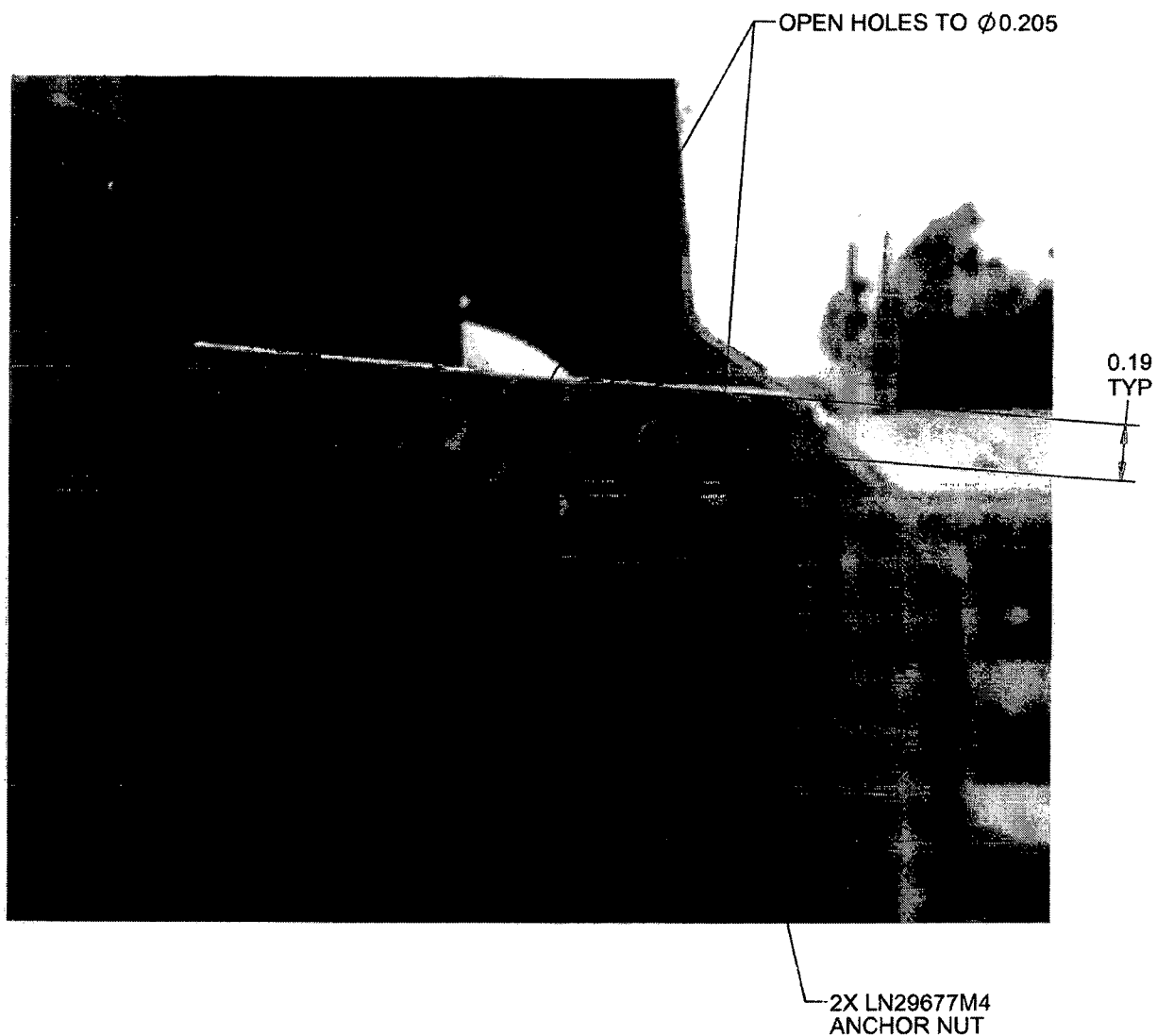
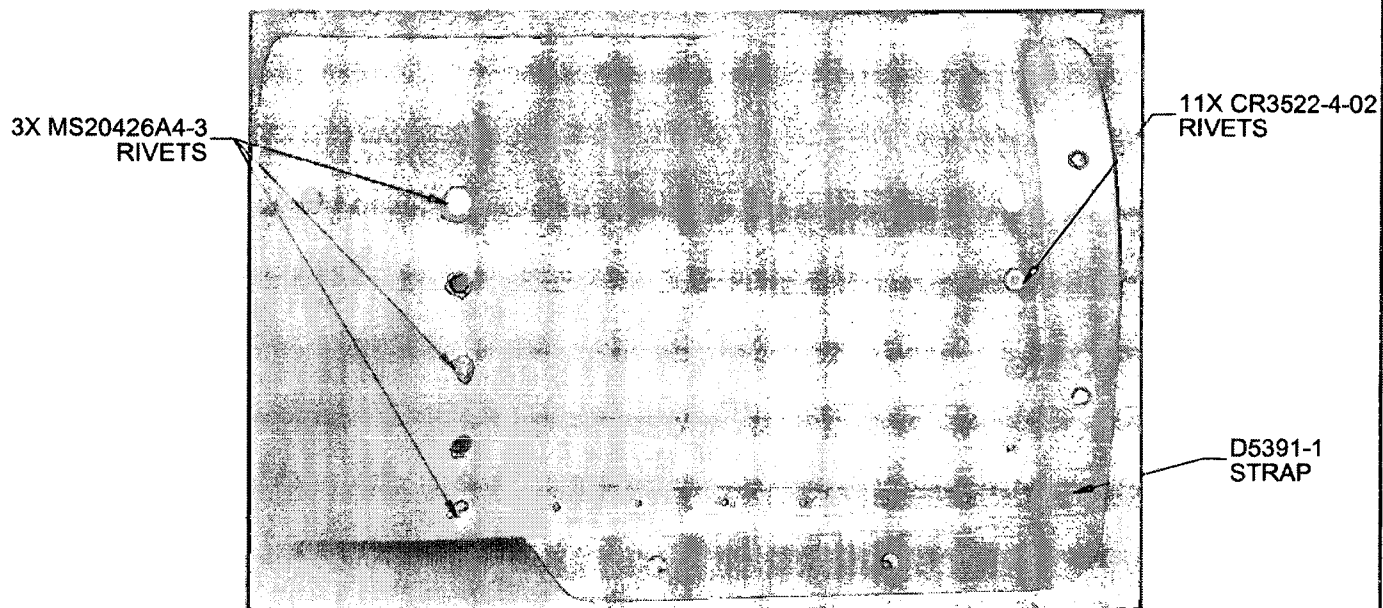
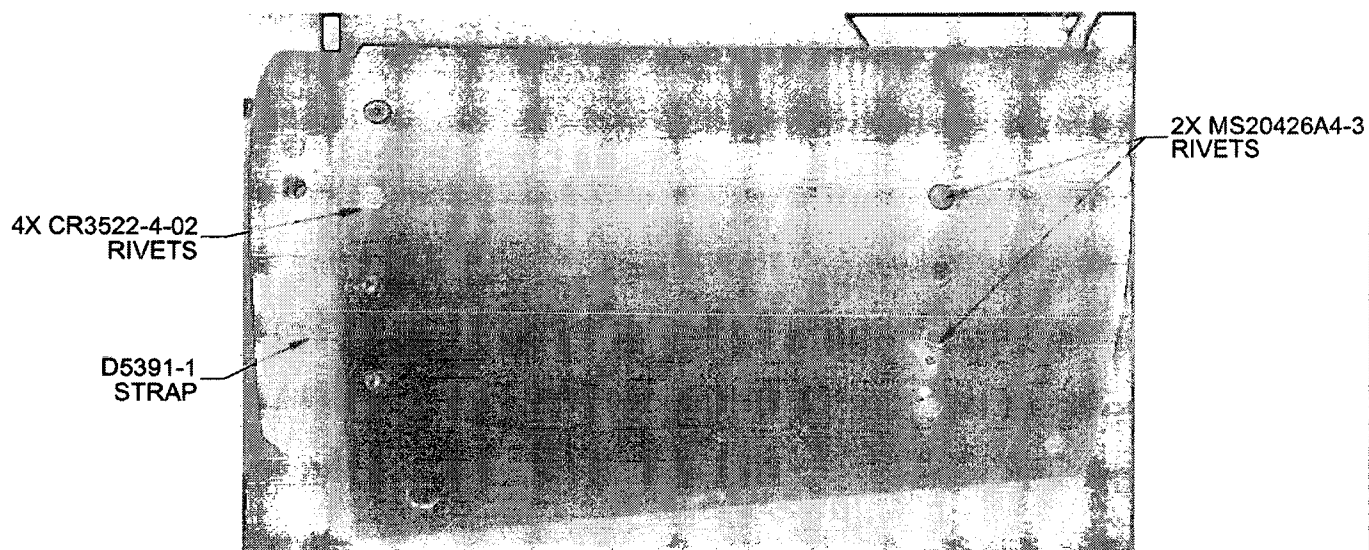


FIGURE 9: LN29677M4 ANCHOR NUTS
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 11 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.		AFT CROSSTUBE FAIRING MODS	NTS
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OUTBOARD



INBOARD

FIGURE 10: D5391-1 STRAP INSTALLATION
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 12 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	AFT CROSSTUBE FAIRING MOD	ITS
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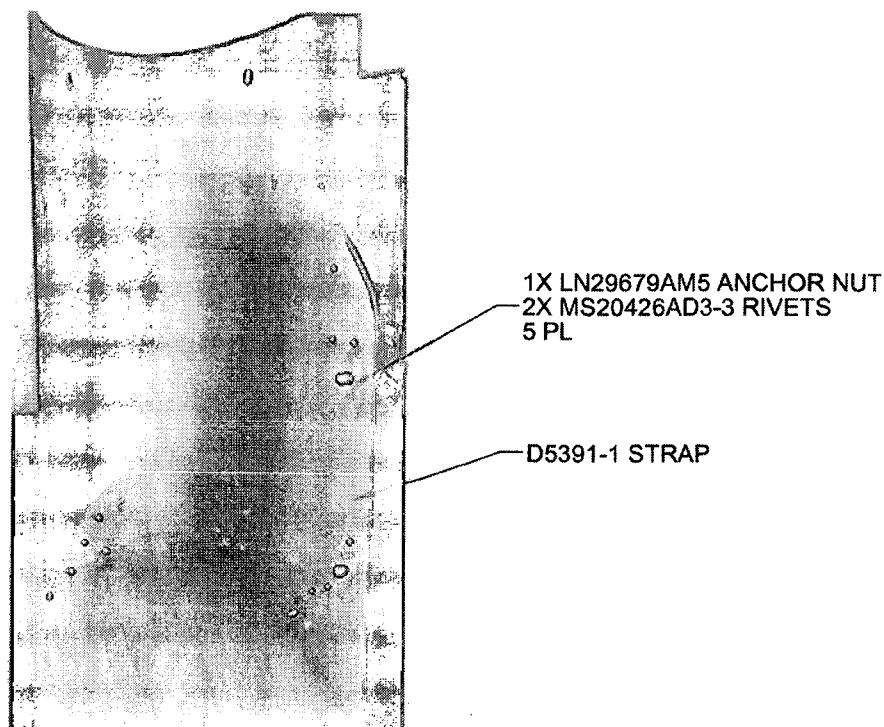


FIGURE 11: ANCHOR NUT INSTALLATION
(LH SHOWN, RH OPPOSITE)

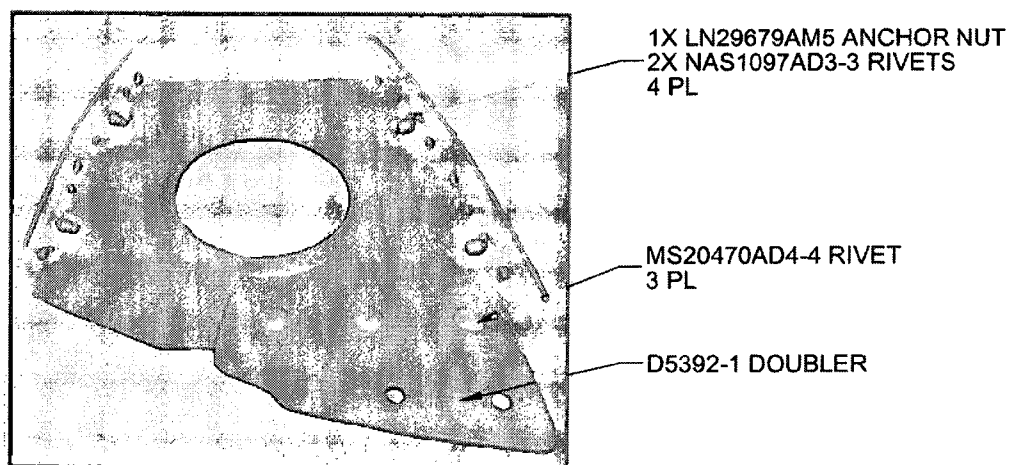


FIGURE 12: ANCHOR NUT INSTALLATION
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 13 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AFT CROSSTUBE FAIRING MOD	ITS
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1X LN29679AM5 ANCHOR NUT
2X MS20426AD3-3 RIVETS

0.30

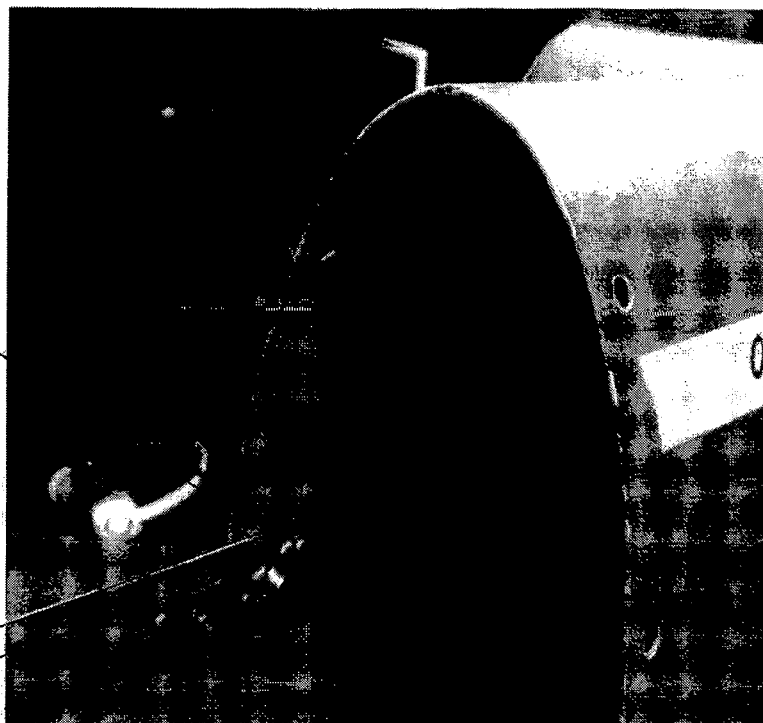
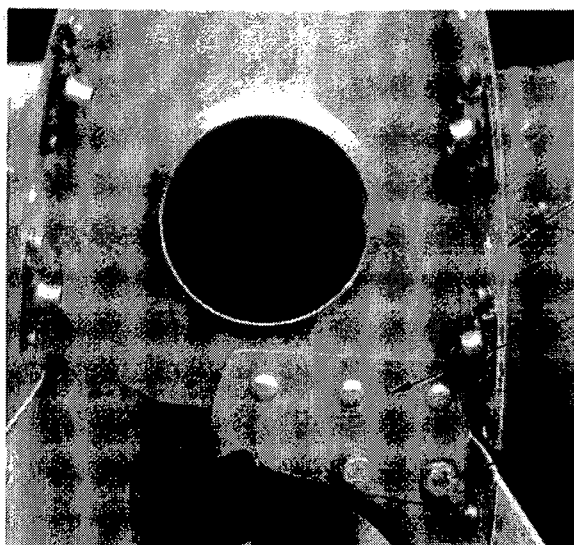


FIGURE 13: ANCHOR NUT INSTALLATION
(LH SHOWN, RH OPPOSITE)



RIB CUTOUT

D5392-1 DOUBLER

1X 22208BC040010L BOLT
1X 2311AG040LE WASHER
2 PL

FIGURE 14: RIB CUTOUT INSTALLATION
(LH SHOWN, RH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 14 OF 16
APPROVED	HS	TITLE	SCALE
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FAIRING CUTOUT

CAP

OUTBOARD

1X A0164TK050S012X BOLT
1X 350A21-1218-20 WASHER
17 PL (10 NEW, 7 EXISTING)

OUTBOARD

FIGURE 15: FAIRING ASSEMBLY
(RH SHOWN, LH OPPOSITE)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 15 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.		AFT CROSSTUBE FAIRING MOD	ITS
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3.0 WEIGHT AND BALANCE

Aircraft Weight and Balance are not affected by this change.

4.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9738-011	AFT FAIRING MODIFICATION
2	D5391-1	STRAP
2	D5392-1	DOUBLER
4	22208BC040010L	BOLT, HEX HEAD
4	23111AG040LE	WASHER, FLAT
20	350A21-1218-20	WASHER
20	A0164TK050S012X	BOLT, SPECIAL, WIDE HEAD
30	CR3522-4-02	RIVET
4	LN29677M4	ANCHOR NUT
20	LN29679AM5	ANCHOR NUT
24	MS20426AD3-3	RIVET
10	MS20426A4-3	RIVET
6	MS20470AD4-4	RIVET
24	NAS1097AD3-3	RIVET

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	HS	DRAWING NO. REV. A
MFG. APPR.	CG	DSI 9738 SHEET 16 OF 16
APPROVED	HS	TITLE SCALE
DE APPR.		AFT CROSSTUBE FAIRING MODS
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QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9738-011	AFT FAIRING MODIFICATION
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2	D5392-1	DOUBLER
4	22208BC040010L	BOLT, HEX HEAD
4	23111AG040LE	WASHER, FLAT
20	350A21-1218-20	WASHER
20	A0164TK050S012X	BOLT, SPECIAL, WIDE HEAD
30	CR3522-4-02	RIVET
4	LN29677M4	ANCHOR NUT
20	LN29679AM5	ANCHOR NUT
24	MS20426AD3-3	RIVET
10	MS20426A4-3	RIVET
6	MS20470AD4-4	RIVET
24	NAS1097AD3-3	RIVET

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	CG	DSI 9738	SHEET 16 OF 16
APPROVED	HS	TITLE	SCALE
DE APPR.		AFT CROSSTUBE FAIRING MODS	
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